

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P416702

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7506 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

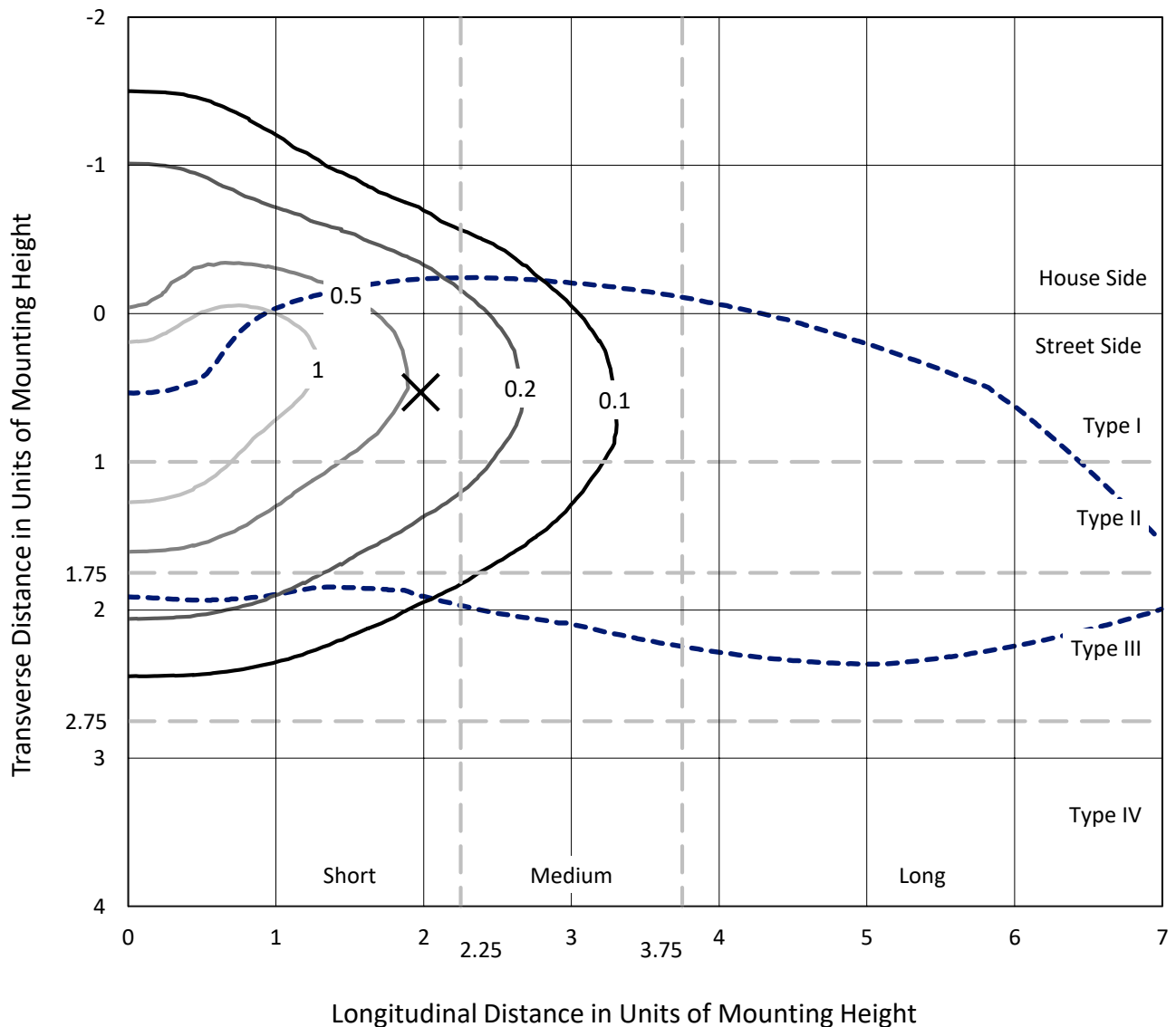


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

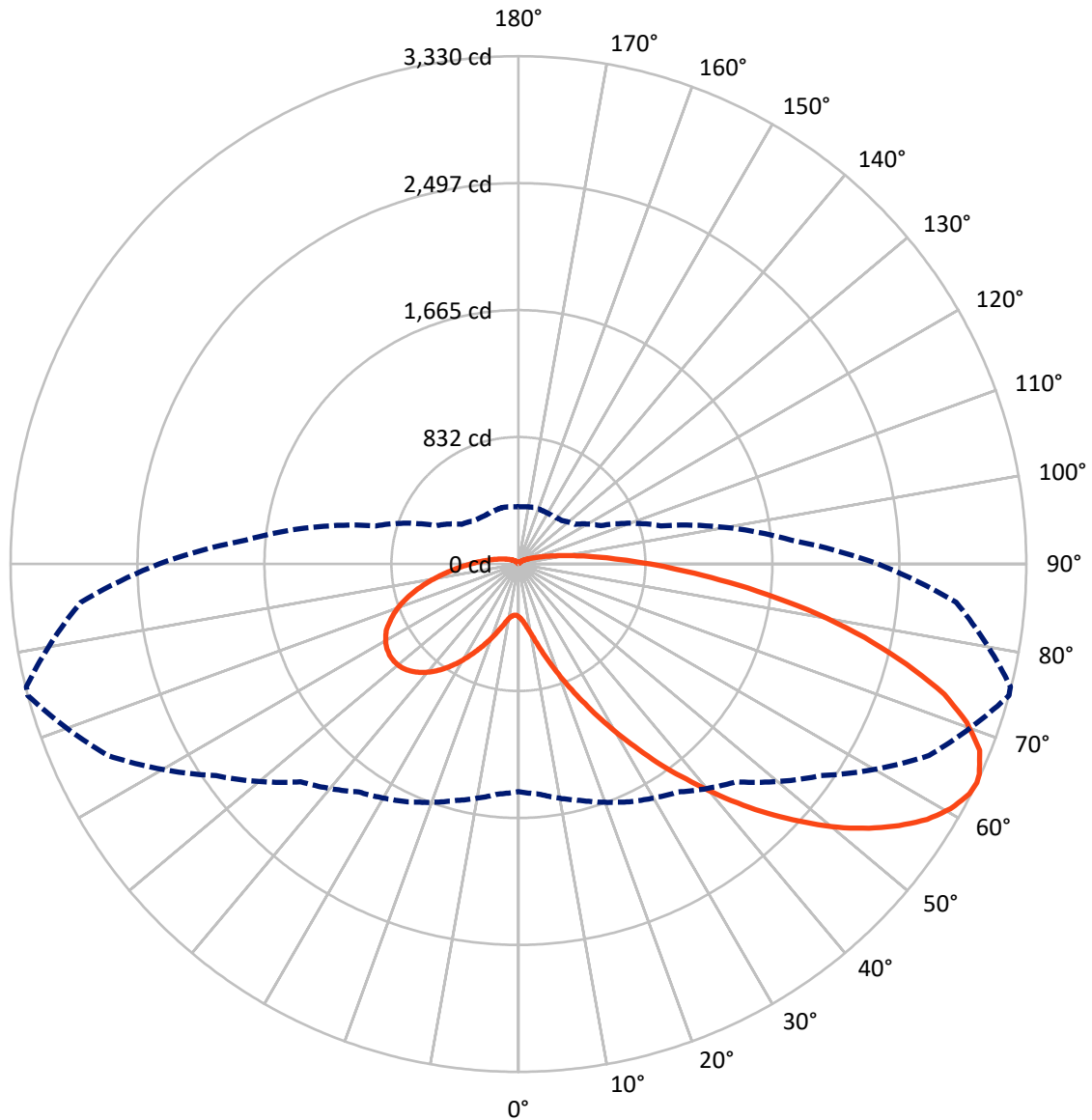


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1655.5	218.0	1873.5
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	5300.7	331.7	5632.4
	% Fixture	70.6	4.4	75.0
Total	Lumens	6956.3	549.7	7506.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	0.5
10°-20°	151.4	2.0
20°-30°	383.3	5.1
30°-40°	750.6	10.0
40°-50°	1167.7	15.6
50°-60°	1432.0	19.1
60°-70°	1392.1	18.5
70°-80°	1049.9	14.0
80°-90°	592.8	7.9
90°-100°	279.6	3.7
100°-110°	135.1	1.8
110°-120°	70.9	0.9
120°-130°	38.1	0.5
130°-140°	18.7	0.2
140°-150°	6.4	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6956.3	92.7
0°-180°	7506.0	100.0



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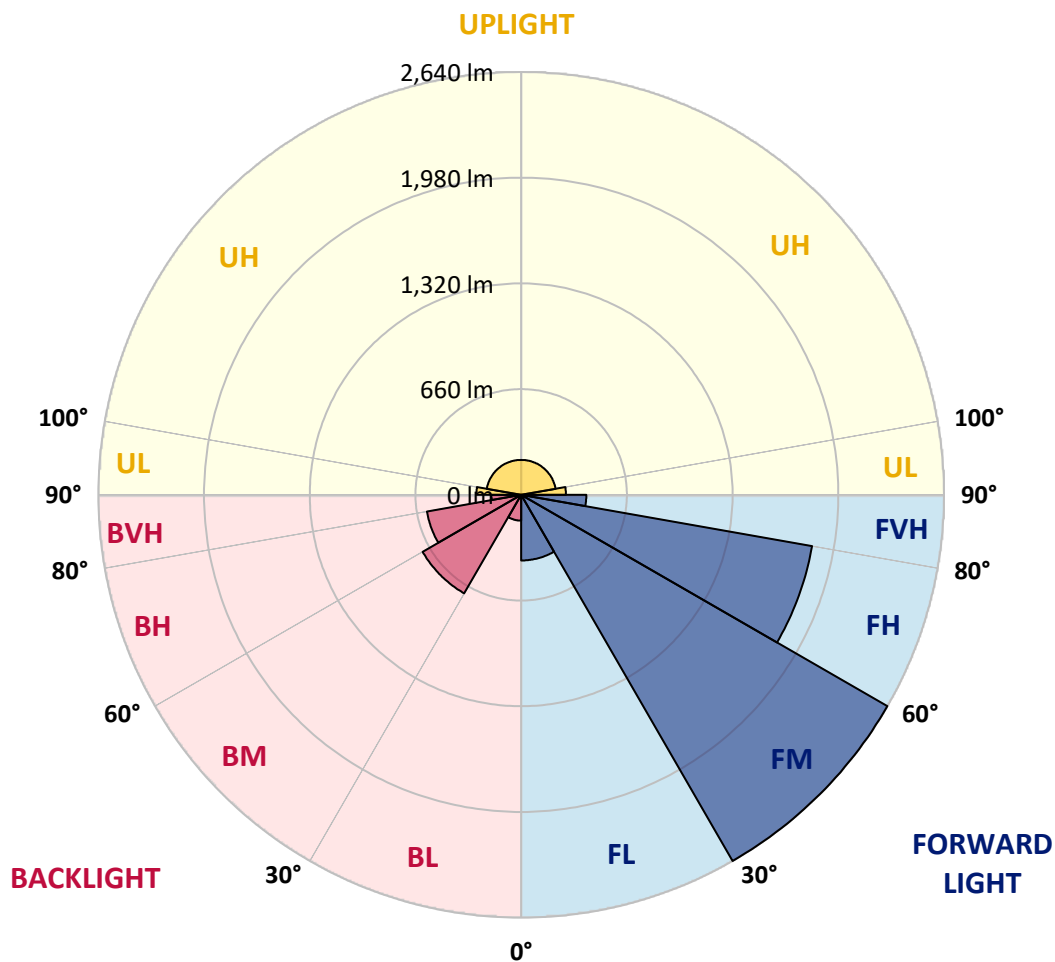
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.1	5.5			
FM (30°-60°)	2639.9	35.2			
FH (60°-80°)	1844.2	24.6			G2/5000
FVH (80°-90°)	406.6	5.4			G3/500
BL (0°-30°)	161.0	2.1	B1/500		
BM (30°-60°)	710.5	9.5	B1/1000		
BH (60°-80°)	597.7	8.0	B2/1000		G2/1000
BVH (80°-90°)	186.2	2.5			G2/225
UL (90°-100°)	279.6	3.7		U3/500	
UH (100°-180°)	218.0	2.9		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
2.5°	403.4	399.8	398.0	397.1	390.7	384.3	377.0	369.8	361.6	359.7	352.4
5°	466.3	461.7	459.9	454.4	445.3	434.4	418.9	404.4	386.1	387.1	370.7
7.5°	538.2	534.6	529.1	520.9	507.3	492.7	469.9	448.1	423.5	420.8	397.1
10°	620.2	617.5	612.0	599.3	581.9	557.4	534.6	501.8	467.2	465.4	430.8
12.5°	718.6	714.9	699.4	686.7	663.9	641.1	606.5	567.4	530.0	525.5	482.7
15°	829.7	824.2	813.3	793.2	768.6	731.3	694.9	655.7	606.5	598.3	548.3
17.5°	943.5	943.5	929.8	906.2	872.5	839.7	799.6	750.4	688.5	687.6	621.1
20°	1086.5	1084.7	1063.7	1029.1	995.4	960.8	912.5	857.0	787.8	781.4	700.3
22.5°	1241.3	1239.5	1214.0	1176.6	1132.9	1083.8	1030.0	971.7	896.1	888.0	793.2
25°	1408.9	1408.0	1381.6	1324.2	1268.6	1222.2	1166.6	1102.0	1014.5	1012.7	898.9
27.5°	1612.9	1602.9	1561.9	1491.8	1421.6	1361.5	1296.9	1238.6	1151.1	1137.5	1010.9
30°	1809.6	1804.1	1748.6	1673.0	1576.5	1497.2	1431.7	1387.0	1296.9	1284.1	1142.0
32.5°	2012.7	2009.0	1941.7	1854.2	1734.9	1636.6	1585.6	1537.3	1450.8	1445.3	1271.4
35°	2237.6	2223.1	2145.7	2025.4	1887.0	1776.8	1731.3	1709.4	1623.8	1603.8	1413.4
37.5°	2421.6	2410.7	2340.5	2193.9	2030.9	1912.5	1877.9	1863.3	1789.6	1781.4	1567.3
40°	2599.2	2591.0	2505.4	2346.9	2161.1	2042.7	2008.1	2032.7	1973.5	1960.8	1722.2
42.5°	2727.6	2716.7	2637.4	2469.0	2274.1	2149.3	2148.4	2204.9	2162.0	2148.4	1882.5
45°	2804.1	2793.2	2727.6	2565.5	2362.4	2242.2	2263.1	2362.4	2349.7	2333.3	2029.1
47.5°	2811.4	2805.0	2757.7	2607.4	2416.1	2315.0	2375.2	2517.2	2530.9	2515.4	2185.7
50°	2744.9	2751.3	2721.2	2601.9	2435.3	2362.4	2466.2	2663.9	2713.9	2695.7	2341.5
52.5°	2619.2	2611.9	2624.7	2540.0	2415.2	2378.8	2528.2	2786.8	2878.8	2860.6	2485.4
55°	2409.8	2415.2	2459.9	2428.0	2352.4	2359.7	2565.5	2884.2	3028.1	3013.6	2615.6
57.5°	2189.4	2176.6	2256.8	2262.2	2241.3	2308.7	2570.0	2958.0	3160.2	3144.7	2727.6
60°	1900.7	1931.6	2003.6	2065.5	2101.9	2224.0	2540.0	2996.3	3256.7	3252.2	2817.8
62.5°	1651.1	1657.5	1755.0	1848.8	1936.2	2104.7	2473.5	2995.4	3319.6	3314.1	2871.5
64°	1492.7	1513.6	1605.6	1719.4	1824.2	2019.1	2418.9	2969.9	3329.6	3325.0	2880.6
65°	1406.2	1403.4	1513.6	1628.4	1741.3	1954.4	2363.3	2942.5	3320.5	3320.5	2877.0
67.5°	1168.5	1177.6	1274.1	1406.2	1545.5	1783.2	2221.2	2845.1	3260.4	3266.7	2824.1
70°	963.5	977.2	1082.8	1200.3	1354.2	1611.1	2045.5	2669.3	3119.2	3128.3	2710.3
72.5°	795.1	810.5	888.0	1006.3	1176.6	1429.8	1846.9	2448.9	2919.8	2923.4	2520.0
75°	646.6	663.9	742.2	845.1	992.7	1234.9	1630.2	2209.4	2629.2	2647.5	2274.1
77.5°	526.4	544.6	616.6	709.5	849.7	1056.4	1415.3	1932.5	2320.5	2331.4	1992.7
80°	425.3	444.4	508.2	595.6	717.6	899.8	1214.0	1649.3	1987.2	1987.2	1703.0
82.5°	345.2	361.6	418.9	494.5	605.6	759.5	1020.0	1370.6	1642.9	1643.8	1407.1
85°	278.7	288.7	345.2	411.6	503.6	636.6	843.3	1115.6	1325.1	1306.0	1133.8
87.5°	224.0	233.1	280.5	345.2	418.0	530.9	692.1	908.0	1041.9	1048.2	905.3
90°	180.3	185.8	229.5	284.1	351.5	439.0	562.8	722.2	819.6	811.5	709.5
92.5°	146.6	153.0	190.3	239.5	296.0	368.8	463.6	571.9	634.8	636.6	554.6
95°	120.2	123.9	158.5	202.2	253.2	308.7	377.9	455.4	498.2	492.7	431.7
97.5°	100.2	102.0	133.9	173.0	214.9	260.5	315.1	362.5	386.1	382.5	337.9
100°	84.7	86.5	113.8	150.3	185.8	222.2	260.5	292.3	300.5	296.0	265.9
102.5°	73.8	74.7	97.4	130.2	160.3	190.3	216.8	236.8	235.9	235.9	210.4
105°	64.7	65.6	84.7	113.8	141.2	164.8	183.1	193.1	189.4	187.6	168.5
107.5°	58.3	59.2	74.7	100.2	124.8	143.0	156.6	159.4	152.1	150.3	136.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	52.8	52.8	65.6	88.3	110.2	124.8	133.9	133.9	122.9	122.0	112.9
112.5°	48.3	49.2	59.2	78.3	97.4	110.2	115.7	111.1	101.1	100.2	95.6
115°	44.6	45.5	52.8	70.1	86.5	97.4	100.2	93.8	83.8	82.9	79.2
117.5°	41.9	42.8	48.3	61.9	77.4	85.6	86.5	80.1	70.1	69.2	68.3
120°	40.1	40.1	44.6	55.6	68.3	75.6	74.7	68.3	60.1	59.2	59.2
122.5°	38.3	38.3	41.0	49.2	60.1	66.5	65.6	58.3	51.0	51.0	51.0
125°	36.4	36.4	38.3	44.6	53.7	58.3	56.5	50.1	43.7	43.7	45.5
127.5°	34.6	34.6	35.5	39.2	47.4	50.1	48.3	41.9	38.3	38.3	39.2
130°	32.8	32.8	32.8	35.5	41.0	42.8	41.0	35.5	32.8	32.8	34.6
132.5°	31.0	31.0	31.0	31.0	34.6	36.4	33.7	29.1	28.2	29.1	30.1
135°	29.1	29.1	28.2	27.3	29.1	30.1	27.3	24.6	24.6	24.6	26.4
137.5°	27.3	26.4	25.5	24.6	23.7	23.7	21.9	19.1	20.9	20.9	22.8
140°	24.6	23.7	22.8	20.9	19.1	18.2	16.4	15.5	17.3	17.3	18.2
142.5°	21.9	20.9	20.0	17.3	14.6	12.8	10.9	11.8	13.7	13.7	14.6
145°	18.2	18.2	16.4	13.7	10.9	9.1	7.3	8.2	10.0	10.0	10.9
147.5°	15.5	14.6	13.7	10.9	7.3	5.5	3.6	5.5	7.3	7.3	8.2
150°	11.8	10.9	10.0	7.3	4.6	1.8	1.8	3.6	4.6	4.6	5.5
152.5°	8.2	8.2	7.3	4.6	1.8	0.0	0.9	1.8	2.7	2.7	3.6
155°	5.5	4.6	3.6	2.7	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	2.7	2.7	1.8	1.8	0.0	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1	346.1
2.5°	347.9	344.3	336.1	328.8	321.5	315.1	311.5	306.9	306.0	305.1	305.1
5°	360.6	352.4	336.1	320.6	306.0	294.2	285.1	275.9	271.4	269.6	268.7
7.5°	382.5	369.8	343.3	319.7	297.8	279.6	265.0	254.1	247.7	244.1	243.2
10°	412.6	394.3	357.9	325.1	296.0	272.3	254.1	241.3	233.1	229.5	228.6
12.5°	459.9	430.8	385.2	338.8	300.5	271.4	250.4	236.8	233.1	229.5	229.5
15°	513.6	484.5	421.7	364.3	315.1	276.9	258.6	249.5	244.1	241.3	240.4
17.5°	582.9	538.2	462.6	391.6	333.3	296.9	273.2	263.2	257.7	255.0	254.1
20°	653.9	601.1	508.2	421.7	357.9	320.6	292.3	276.9	271.4	268.7	267.8
22.5°	738.6	674.8	555.5	453.5	386.1	342.4	310.6	292.3	286.0	283.2	284.1
25°	825.1	756.8	606.5	487.2	412.6	360.6	327.9	306.9	302.4	298.7	298.7
27.5°	930.8	839.7	658.4	525.5	435.3	377.0	343.3	322.4	314.2	314.2	313.3
30°	1041.9	928.0	714.9	558.3	455.4	391.6	355.2	336.1	327.9	326.9	326.9
32.5°	1150.2	1022.7	770.5	591.1	470.8	401.6	366.1	347.9	337.9	337.0	337.9
35°	1276.8	1119.3	822.4	617.5	484.5	409.8	374.3	357.9	347.0	346.1	346.1
37.5°	1397.0	1218.5	872.5	638.4	493.6	415.3	380.7	366.1	354.3	353.4	352.4
40°	1522.7	1312.3	918.0	655.7	498.2	418.9	384.3	371.6	360.6	357.0	357.0
42.5°	1650.2	1407.1	956.3	665.7	500.9	419.8	387.1	375.2	365.2	358.8	358.8
45°	1769.5	1488.1	988.1	671.2	500.9	420.8	388.9	377.9	368.8	360.6	359.7
47.5°	1900.7	1570.1	1012.7	672.1	498.2	418.9	389.8	380.7	370.7	361.6	360.6
50°	2015.4	1647.5	1028.2	669.4	494.5	418.0	390.7	381.6	373.4	362.5	362.5
52.5°	2116.5	1709.4	1035.5	662.1	490.0	416.2	390.7	383.4	376.1	364.3	363.4
55°	2205.8	1757.7	1034.6	651.2	482.7	413.5	389.8	383.4	377.9	365.2	365.2
57.5°	2282.3	1791.4	1026.4	638.4	475.4	411.6	389.8	384.3	379.8	367.9	367.9
60°	2334.2	1810.5	1010.0	622.9	468.1	408.0	388.9	385.2	382.5	370.7	371.6
62.5°	2358.8	1807.8	984.5	606.5	459.9	404.4	387.1	384.3	383.4	374.3	374.3
64°	2356.9	1795.0	967.2	594.7	454.4	402.5	386.1	383.4	384.3	376.1	376.1
65°	2345.1	1776.8	949.0	585.6	449.9	400.7	384.3	382.5	384.3	376.1	376.1
67.5°	2287.7	1720.3	902.5	562.8	438.1	392.5	378.9	377.9	380.7	375.2	374.3
70°	2173.9	1631.1	852.4	533.7	423.5	383.4	370.7	369.8	373.4	368.8	367.0
72.5°	2019.1	1507.2	791.4	503.6	406.2	370.7	359.7	358.8	360.6	357.9	355.2
75°	1824.2	1361.5	723.1	469.9	387.1	354.3	344.3	342.4	345.2	341.5	339.7
77.5°	1607.4	1200.3	651.2	434.4	362.5	336.1	326.0	323.3	323.3	318.8	314.2
80°	1368.8	1035.5	579.2	398.0	337.0	313.3	305.1	301.4	298.7	291.4	286.9
82.5°	1143.0	880.7	505.4	360.6	309.6	288.7	280.5	275.9	269.6	260.5	254.1
85°	929.8	733.1	438.1	320.6	282.3	262.3	255.9	247.7	239.5	229.5	221.3
87.5°	746.8	600.2	377.9	285.1	251.4	235.9	228.6	217.7	209.5	198.5	191.3
90°	592.9	491.8	323.3	250.4	224.0	210.4	204.0	193.1	181.2	169.4	163.0
92.5°	478.1	400.7	278.7	221.3	200.4	188.5	180.3	169.4	155.7	143.9	139.3
95°	379.8	324.2	237.7	195.8	177.6	166.7	158.5	148.4	133.9	120.2	116.6
97.5°	300.5	266.8	203.1	172.1	157.6	148.4	139.3	130.2	115.7	102.0	100.2
100°	241.3	216.8	173.9	152.1	139.3	131.1	123.9	113.8	100.2	85.6	85.6
102.5°	194.9	179.4	149.4	133.9	123.9	116.6	109.3	100.2	86.5	73.8	72.9
105°	159.4	148.4	128.4	118.4	110.2	104.7	97.4	87.4	74.7	62.8	61.9
107.5°	133.0	122.9	111.1	104.7	98.4	92.9	87.4	77.4	64.7	54.6	54.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	109.3	105.6	96.5	92.0	88.3	82.9	77.4	67.4	55.6	48.3	48.3
112.5°	92.9	89.3	84.7	82.0	78.3	74.7	68.3	59.2	48.3	42.8	42.8
115°	78.3	76.5	73.8	71.9	70.1	66.5	60.1	51.0	41.0	37.3	38.3
117.5°	68.3	67.4	65.6	64.7	62.8	58.3	52.8	44.6	35.5	33.7	33.7
120°	59.2	59.2	57.4	57.4	55.6	51.9	45.5	38.3	31.0	30.1	30.1
122.5°	51.9	51.9	51.0	51.0	49.2	45.5	40.1	32.8	26.4	26.4	27.3
125°	45.5	45.5	44.6	44.6	43.7	40.1	34.6	28.2	23.7	23.7	23.7
127.5°	40.1	40.1	40.1	39.2	37.3	34.6	29.1	23.7	20.9	20.9	20.9
130°	35.5	35.5	34.6	34.6	32.8	29.1	24.6	20.0	17.3	19.1	19.1
132.5°	31.0	31.0	31.0	29.1	27.3	24.6	20.0	16.4	15.5	16.4	16.4
135°	26.4	27.3	26.4	25.5	23.7	20.0	16.4	13.7	13.7	14.6	14.6
137.5°	22.8	22.8	22.8	20.9	19.1	16.4	12.8	10.9	11.8	12.8	12.8
140°	19.1	19.1	18.2	17.3	15.5	12.8	10.0	8.2	10.0	10.9	10.9
142.5°	15.5	15.5	14.6	13.7	10.9	9.1	6.4	6.4	8.2	9.1	9.1
145°	11.8	11.8	10.9	10.0	8.2	5.5	4.6	5.5	7.3	7.3	7.3
147.5°	8.2	8.2	8.2	6.4	4.6	2.7	1.8	3.6	5.5	5.5	6.4
150°	5.5	5.5	5.5	4.6	2.7	0.9	0.9	2.7	3.6	4.6	4.6
152.5°	3.6	3.6	3.6	2.7	1.8	0.0	0.0	1.8	2.7	2.7	2.7
155°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.9	1.8	1.8	1.8
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.8	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.9	0.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)